Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/16/2018 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	129022	3	1.57	128855	1.54
Blue	F	SSC	125000	125367	0	3.55	125591	3.32
Blue	E	FITC	23615	23295	-2	2.63	1043	10.62
Blue	D	PE	26739	26763	0	2.15	963	10.04
Blue	B	PerCP-Cy5-5	48339	48598	0	3.64	1393	17.77
Blue	A	PE-Cy7	45021	45581	1	5.48	706	37.35
Red	C	APC	53064	53500	0	2.80	3064	9.67
Red	A	APC-Cy7	57175	57872	1	2.85	1212	11.28
Violet	B	V450	14728	14474	-2	5.51	691	9.95
Violet	A	V500	58621	58393	-1	5.44	2584	7.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20024	2.45	616	2	N/A	N/A	Pass
Blue	F	SSC	62131	1.55	556	10	N/A	N/A	Pass
Blue	E	FITC	115	40.12	550	2	0.0192	153	Pass
Blue	D	PE	211	30.41	541	5	0.1605	295	Pass
Blue	B	PerCP-Cy5-5	217	46.33	640	5	0.0090	58	Pass
Blue	A	PE-Cy7	74	126.69	697	4	0.0107	14	Pass
Red	C	APC	351	28.45	600	3	0.0194	55	Pass
Red	A	APC-Cy7	132	41.04	582	2	0.0054	1748	Pass
Violet	B	V450	84	44.98	470	0	0.0462	2328	Pass
Violet	A	V500	188	23.84	497	0	0.0143	607	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/16/2018 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.56	-30.98	0.95
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.36
Red	18.03	14.40 - 21.60	N/A	N/A	30.81	31.28	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9532

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments